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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/634,473	08/08/2000	Timothy M. Schmidl	TI-30651	5425

7590 01/10/2005  
Ronald O Neerings  
Texas Instruments Incorporated  
PO Box 655474 M/S 3999  
Dallas, TX 75265

EXAMINER
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CHANG, EDITH M

ART UNIT	PAPER NUMBER
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2637

DATE MAILED: 01/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/634,473

Applicant(s)

SCHMIDL ET AL.

Examiner

Edith M Chang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 14 December 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 8-12 is/are rejected.
- 7) ☒ Claim(s) 1-7 and 13-26 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 November 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- 1) ☐ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### ***Response to Arguments/Remarks***

1. Applicant's arguments, see page 9, filed December 14, 2004, with respect to the rejection of claims 1-26 have been fully considered and are persuasive. The final rejection of claims 1-26 has been withdrawn.

### ***Claim Objections***

2. Claims 1-26 are objected to because of the following informalities:

Claim 1 line 10, Claim 8 line 7, Claim 9 line 10, Claim 13 line 9, Claim 16 line 10, Claim 19 line 9, Claim 22 line 6, & Claim 26 line 8: "for a" is suggested changing to "for".

Claim 11, line 1: "an" is suggested changing to "the".

Claims 14-15, Claims 17-18, Claims 20-21, & Claims 24-25: "provided" is suggested changing to "wherein the apparatus is provided".

Claims 16 & Claim 23, line 13: "that" is suggested changing to "that said apparatus will deviate from" and line 14: "will be deviated from in" is suggested changing to "in".

Claim 26, line 11: "that" is suggested changing to "that said apparatus will deviate from"; and lines 11-12: "will be deviated from in" is suggested changing to "in".

Claims 2-7, 10 and 12 are dependent on the objected claims 1 and 9.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

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3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 8-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 8, line 9: "said last-mentioned determining step" lacks antecedent basis.

Claim 9, line 17: "said informing step" lacks antecedent basis.

Claims 10-12 are dependent on the rejected claim 9.

***Allowable Subject Matter***

5. Claims 1-7, and 13-26 would be allowable if rewritten to overcome the objections in the paragraph 1 of this Office action.

6. Claims 8-12 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

7. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record fails to teach or suggest, alone or in a combination, among other things, at least a frequency hopping wireless communication apparatus and a method of controlling frequency hopping wireless communications between first and second frequency hopping wireless communication devices as a whole, the combination of elements and features, which includes determining by the first device, a first frequency of a predetermined frequency hopping pattern is better than a second frequency of the predetermined frequency hopping pattern for transmission of a selected communication from the second device to the first device

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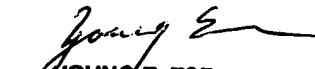
wherein the second frequency is specified for the selected communication and the first frequency is determined for the selected communication from the second device to the first device that most closely precedes in time the selected communication.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edith M Chang whose telephone number is 571-272-3041. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jayanti Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Edith Chang  
January 5, 2005

  
YOUNG T. TSE  
PRIMARY EXAMINER